| 2079  | Number   | Llite        | Search Text  | DB        | Time stamp       |
|---|----------|--------------|--|-----------|------------------|
| 2709  | _ Number | Hits         |  |           |                  |
| 120   | 1        |              |  |           |                  |
| 51   modulat\$ with D/A WITH voice   USPAT   2003/05/19 0   381/5.ccts. and modulat\$ with D/A WITH voice   USPAT   2003/05/19 0   14   370/5.ccts. and modulat\$ with Voice adj3 signals   370/5.ccts. and modulat\$ with Voice adj3 signals   USPAT   2003/05/19 0   15   2003/05/19 0   2003/05/19  | 2        | 2709         |  |           |                  |
| 51   modulat\$ with D/A WITH voice   USPAT   2003/05/19 0   381/5.ccts. and modulat\$ with D/A WITH voice   USPAT   2003/05/19 0   14   370/5.ccts. and modulat\$ with Voice adj3 signals   370/5.ccts. and modulat\$ with Voice adj3 signals   USPAT   2003/05/19 0   15   2003/05/19 0   2003/05/19  | ;        | 120          | modulat\$ with D/A SAME voice                                  | USPAT     | 2003/05/19 08:2  |
| 0         381/S.ccls. and modulat\$ with D/A WITH voice         USPAT         2003065/19 0           384         370/S.ccls. and modulat\$ with D/A WITH voice         USPAT         2003065/19 0           384         370/S.ccls. and modulat\$ with voice adj3 signals         USPAT         2003065/19 0           4         370/S.ccls. and (PWM or pulse adj3 width adj3 modulat\$) with voice adj3 signals voice adj3 signals         USPAT         2003065/19 0           5         0         74/S.ccls. and (PWM or pulse adj3 width adj3 modulat\$) with voice adj3 signals vith voice adj3 signals         USPAT         2003005/19 0           6         0         704/Z56.ccls. and (PWM or pulse adj3 width adj3 modulat\$) with voice adj3 signals with voice adj3 signals         USPAT         2003005/19 0           7         0         704/Z56.ccls. and modulat\$3 with voice adj3 signals         USPAT         2003005/19 0           8         370/AZ56.ccls. and modulat\$3 with voice adj3 signals         USPAT         2003005/19 0           9         331/2-3.ccls. and multi-channel adj3 output         USPAT         2003005/19 0           10         331/2-3.ccls. and voice adj3 signal SAMEmultiple adj3         USPAT         2003005/19 0           10         331/3-0.ccls. and voice adj3 signal SAMEmultiple adj3         USPAT         2003005/19 0           10         331/3-5.ccls. and voice adj3 signal SAMEmultiple  |          |              |  | USPAT     | 2003/05/19 08:2  |
| 0   84% ccts. and modulats with D/A WITH voice   USPAT   2003/05/19 0;   364   370/5, ccts. and modulats with D/A WITH voice adj3 signals   USPAT   2003/05/19 0;   2003/05/  |          |              |  |           |                  |
| 14   370/8 ccls. and modulat\$ with Voice adj3 signals   S70/8 ccls. and (PWM or pulse adj3 signals   USPAT   2003/05/19 0  200   | 5        |              |  |           |                  |
| 370/S.cds. and modulat\$ with voice adj3 signals   370/S.cds. and (PWM or pulse adj3 width adj3 modulat\$) with voice adj3 signals   381/S.cds. and (PWM or pulse adj3 width adj3 modulat\$) with voice adj3 signals   USPAT   2003/05/19 0   2003/05/1   | 3        | -            |  | 1         |                  |
| 8 370/S.ccls. and (PWM or pulse adj3 width adj3 modulat\$) with voice adj3 signals  | 7        | 14           | 370/\$.ccls. and modulat\$ with D/A WITH voice                 | USPAT     | 2003/05/19 08:2  |
| 8 370/S.ccls. and (PWM or pulse adj3 width adj3 modulat\$) with voice adj3 signals  | 3        | 364          | 370/\$.ccls, and modulat\$ with voice adi3 signals             | USPAT     | 2003/05/19 08:2  |
| voice adj3 signals   381% Cols. and (PWM or pulse adj3 width adj3 modulat\$) with voice adj3 signals   USPAT   2003/05/19 0/19 0/19 0/19 0/19 0/19 0/19 0/19 0  | á        |              |  |           |                  |
| 1   381/S.ccis. and (PWM or pulse adj3 width adj3 modulat\$) with voice adj3 signals   USPAT   2003/05/19 0   voice adj3 signals   VSPAT   2003/05/19 0   voice adj3 signal SAMEmultiple adj3 channels   USPAT   2003/05/19 0   voice adj3 data adj3 generator WITH periods3 adj3 channels   uSPAT   2002/01/24 1   voice adj3 data adj3 generator WITH periods3 adj3 channels   uSPAT   2002/01/24 1  | ,        | · ·          |  | 00.71     | 2000/00/10 00.   |
| voice adj3 signals  |          |              |  | LICOAT    | 000000544000     |
| 1   | 10       | 1            |  | USPAT     | 2003/05/19 08:   |
| voice adj3 signals  |          |              | voice adj3 signals   |           |                  |
| voice adj3 signals  | 11       | 0            | 84/\$.ccls, and (PWM or pulse adj3 width adj3 modulat\$) with  | USPAT     | 2003/05/19 08:   |
| 0   704/258.ccls. and (PVMM or pulse adj3 width adj3 modulat\$)   USPAT   2003/05/19.0   with voice adj3 signals   3   704/258.ccls. and modulat\$3 with voice adj3 signals   USPAT   2003/05/19.0   0   381/2-3.ccls. and multi-channel adj3 output   USPAT   2003/05/19.0   USPAT   2002/01/24   2002/01/24   USPAT   2002/01/24   USPAT   2002/01/24   2002/01/24   2002/01/24   2002/01/24   USPAT   2002/01/24  | · ·      |              |  |           |                  |
| with voice adj3 signals 3 704/258 ccls. and modulat\$3 with voice adj3 signals 41 704/35 ccls. and modulat\$3 with voice adj3 signals 50 381/2-3.ccls. and multi-channel adj3 output CSPAT 2003/05/19 0 CSPAT 2003/05/12 1 CSPAT 2002/01/24 1 CSPAT  |          | 0            |  | LICDAT    | 2002/05/40 08:   |
| 3   704/258.cds. and modulat\$3 with voice adj3 signals   USPAT   2003/05/19.0   0   381/2-3.cds. and multi-channel adj3 output   USPAT   2003/05/19.0   0   381/2-3.cds. and multi-channel adj3 (loudspeaker or speaker)   21   381/2-3.cds. and multi-channel adj3 (loudspeaker or speaker)   USPAT   2003/05/19.0   USPAT   2002/01/24   2002/01/24   USPAT   2002/01/24   | 12       | U            |  | USPAI     | 2003/03/19 06.   |
| 1   |          |              |  |           |                  |
| 1   | 13       | 3            | 704/258.ccls. and modulat\$3 with voice adj3 signals           | USPAT     | 2003/05/19 08:3  |
| USPAT   2003/05/19 0  | 14       | 41           |  | USPAT     | 2003/05/19 09:   |
| O   381/2-3 ccls. and multi-channel adj3 (loudspeaker or speaker)   21   381/2-3 ccls. and multi-channel   USPAT   2003/05/19 0   2003/05/1  | 15       |              |  |           |                  |
| USPAT   2003/05/19  |          |              |  |           |                  |
| Sal   | 6        | -            |  |           | 1                |
| O   381/80.ccls. and voice adj3 signal SAMEmultiple adj3   USPAT   2002/01/24 1   | 7        |              |  |           | 2003/05/19 09:   |
| O   381/80.ccls. and voice adj3 signal SAMEmultiple adj3   USPAT   2002/01/24 1   | j        | 516          | 381/\$.ccls. and voice adj3 signal SAMEmultiple adj3 channels  | USPAT     | 2003/05/19 08:0  |
| Channels  | 1        | 0            |  | USPAT     | 2002/01/24 17:1  |
| 0   381/S.ccls. and voice adj3 signal WITH multiple adj3 channels   USPAT   2002/01/24 1   |          | 9            |  |           |                  |
| 4   84/\$.ccls. and multiple adj3 voice adj3 channels   USPAT   2002/01/24 1   voice adj3 data adj3 generator WITH period\$3 adj3 select\$3   USPAT   2002/01/24 1   2002/01   | 1        | _            |  | 110047    | 0000001011       |
| 0         voice adj3 data adj3 generator WITH period\$3 adj3 select\$3         USPAT         2002/01/24 1 2002/01/24 1 2002/01/24 1 2002/01/24 1 2002/01/24 1 2002/01/24 1 2002/01/24 1 2002/01/24 1 27 voice adj3 data adj3 generator WITH channel adj3 select\$3         USPAT         2002/01/24 1 2002/01/24   |          | Ü            | 381/\$.ccis. and voice adj3 signal WITH multiple adj3 channels |           | l l              |
| 0         voice adj3 data adj3 generator WITH period\$3 adj3 channel adj3 select\$3         USPAT         2002/01/24 1 2002/01/24 2 2002/01  |          | 4            | 84/\$.ccls. and multiple adj3 voice adj3 channels              | USPAT     | 2002/01/24 17:0  |
| 0         voice adj3 data adj3 generator WITH period\$3 adj3 channel adj3 select\$3         USPAT         2002/01/24 1 2002/01/24 2 2002/01  | l        | 0            |  | USPAT     | 2002/01/24 17:   |
| adj3 select\$3  voice adj3 data adj3 generator WiTH channel adj3 select\$3  voice adj3 data adj3 generator  voice adj3 data adj3 generator  time-division SAME period\$3 adj3 channel adj3 select\$3  USPAT  2002/01/24 1  USPAT  2002/03/99 1  USPAT  2002/03/99 1  2002/03/99 1  2008  31/5 ccls. and time-division adj3 signal SAME channel  USPAT  2002/03/99 1  USPAT  2002/0  | i        |              |  | 1         | <b>I</b>         |
| 0         voice adj3 data adj3 generator         USPAT         2002/01/24 1           1         voice adj3 data adj3 generator         USPAT         2002/01/24 1           0         time-division SAME period\$3 adj3 channel adj3 select\$3         USPAT         2002/01/24 1           39         time-division WITH channel adj3 select\$3         USPAT         2002/01/24 1           0         time-division WITH channel adj3 select\$3         USPAT         2002/01/24 1           16         time-division WITH data adj3 generator         USPAT         2002/01/24 1           16         time-division WITH data adj3 generator         USPAT         2002/03/09 1           16         time-division WITH data adj3 generator         USPAT         2002/03/09 1           2002/03/09 1         selector         USPAT         2002/03/09 1           51         84/\$ ccls. and voice adj3 generator         USPAT         2002/03/09 1           19         381/\$ ccls. and voice adj3 generator         USPAT         2002/03/09 1           19         381/\$ ccls. and time-division         USPAT         2002/03/09 1           10         381/\$ ccls. and time-division adj3 signal SAME channel         USPAT         2002/03/09 1           2098         370/\$ ccls. and time-division SAME audio         USPAT         2002/03/09 1 </td <td></td> <td>U</td> <td></td> <td>001 A1</td> <td>2002/01/24 17.</td>  |          | U            |  | 001 A1    | 2002/01/24 17.   |
| 27         voice adj3 data adj3 generator         USPAT         2002/01/24 1           90         time-division SAME period\$3 adj3 channel adj3 select\$3         USPAT         2002/01/24 1           39         time-division WITH channel adj3 select\$3         USPAT         2002/01/24 1           0         time-division WITH ocice adj3 data adj3 generator         USPAT         2002/01/24 1           16         time-division WITH data adj3 generator         USPAT         2002/01/24 1           16         time-division WITH data adj3 generator         USPAT         2002/03/09 1           16         time-division WITH data adj3 generator         USPAT         2002/03/09 1           17         84/\$.ccls. and voice adj3 generator SAME channel         USPAT         2002/03/09 1           18         84/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           19         381/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           19         381/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           2098         381/\$.ccls. and time-division         USPAT         2002/03/09 1           2098         37/0.\$.ccls. and time-division         USPAT         2002/03/09 1           10         37/0.\$.ccls. and time-division         USPAT <t< td=""><td>1</td><td>_</td><td></td><td>l <u></u></td><td></td></t<>  | 1        | _            |  | l <u></u> |                  |
| 0         time-division SAME period\$3 adj3 channel adj3 select\$3         USPAT         2002/01/24 1           39         time-division SAME channel adj3 select\$3         USPAT         2002/01/24 1           0         time-division WITH channel adj3 select\$3         USPAT         2002/01/24 1           1         time-division WITH data adj3 generator         USPAT         2002/04/30 1           0         84/\$.ccls. and voice adj3 generator SAME channel adj3         USPAT         2002/03/09 1           5         84/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           5         84/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           19         381/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           19         381/\$.ccls. and channel adj3 selector         USPAT         2002/03/09 1           46         381/\$.ccls. and time-division         USPAT         2002/03/09 1           1         381/\$.ccls. and time-division         USPAT         2002/03/09 1           2098         370/\$.ccls. and time-division         USPAT         2002/03/09 1           10         370/\$.ccls. and time-division SAME audio         USPAT         2002/03/09 1           65         370/\$.ccls. and time-division WITH audio         USPAT         20   |          | -            |  | USPAT     | 2002/01/24 17:   |
| 0   time-division SAME period\$3 adj3 channel adj3 select\$3   USPAT   2002/01/24 1   2002/01/24  |          | 27           | voice adj3 data adj3 generator                                 | USPAT     | 2002/01/24 17:   |
| 90 time-division SAME channel adj3 select\$3 31 time-division WITH channel adj3 select\$3 41 time-division WITH channel adj3 select\$3 52 time-division WITH woice adj3 denerator 63 time-division WITH data adj3 generator 74 time-division WITH data adj3 generator 85 time-division WITH data adj3 generator 86 time-division WITH data adj3 generator 87 time-division WITH data adj3 generator 88 time-division WITH data adj3 generator 88 time-division WITH data adj3 generator 89 time-division WITH data adj3 generator 89 time-division 89 ti   |          | 0            | time-division SAME period\$3 adi3 channel adi3 select\$3       | USPAT     | 2002/01/24 17:   |
| SPAT   2002/01/24 1   |          |              |  |           |                  |
| 0         time-division WITH voice adj3 generator         USPAT         2002/01/24 1           16         time-division WITH data adj3 generator         USPAT         2002/04/30 1           0         84/\$ ccls. and voice adj3 generator SAME channel         USPAT         2002/03/09 1           5         84/\$ ccls. and voice adj3 generator         USPAT         2002/03/09 1           51         84/\$ ccls. and voice adj3 generator         USPAT         2002/03/09 1           19         381/\$ ccls. and voice adj3 generator         USPAT         2002/03/09 1           46         381/\$ ccls. and time-division         USPAT         2002/03/09 1           46         381/\$ ccls. and time-division         USPAT         2002/03/09 1           2098         370/\$ ccls. and time-division         USPAT         2002/03/09 1           10         370/\$ ccls. and time-division SAME audio         USPAT         2002/03/09 1           10         370/\$ ccls. and time-division WITH demodulat\$3         USPAT         2002/03/09 1           52         370/\$ ccls. and voice SAME channel         USPAT         2002/03/09 1           1478         381/27 ccls. and voice SAME signal         USPAT         2002/04/30 1           158         381/27 ccls. and voice adj3 signal         USPAT         2002/04/30 1 </td <td></td> <td></td> <td></td> <td></td> <td>1</td>  |          |              |  |           | 1                |
| 16         time-division WITH data adj3 generator         USPAT         2002/04/30 1           0         84/\$.ccls. and voice adj3 generator SAME channel adj3         USPAT         2002/03/09 1           5         84/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           19         381/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           51         381/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           46         381/\$.ccls. and time-division         USPAT         2002/03/09 1           46         381/\$.ccls. and time-division adj3 signal SAME channel         USPAT         2002/03/09 1           2098         370/\$.ccls. and time-division         USPAT         2002/03/09 1           10         370/\$.ccls. and time-division SAME audio         USPAT         2002/03/09 1           65         370/\$.ccls. and time-division WITH audio         USPAT         2002/03/09 1           52         370/\$.ccls. and voice SAME channel         USPAT         2002/03/09 1           47         381/27.ccls. and voice SAME signal         USPAT         2002/04/30 1           58         381/\$.ccls. and voice adj3 signal SAME multi-channel         USPAT         2002/04/30 1           58         455/\$.cdls. and voice adj3 signal SAME multi-channel  |          |              |  |           |                  |
| 0         84/\$.ccls. and voice adj3 generator SAME channel adj3 selector         USPAT         2002/03/09 1: selector           5         84/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1: 2002/03/09 1: USPAT         2002/04/30 1: USPAT         2002/04/30 1: USPAT         2002/04/30 1: USPAT         2002/04/30 1: USPAT   |          | 0            |  |           | 2002/01/24 17:   |
| 5         selector         84/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           51         84/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           19         381/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           46         381/\$.ccls. and channel adj3 selector         USPAT         2002/03/09 1           1         381/\$.ccls. and time-division         USPAT         2002/03/09 1           2098         370/\$.ccls. and time-division         USPAT         2002/03/09 1           10         370/\$.ccls. and time-division         USPAT         2002/03/09 1           10         370/\$.ccls. and time-division         USPAT         2002/03/09 1           10         370/\$.ccls. and time-division SAME audio         USPAT         2002/03/09 1           65         370/\$.ccls. and time-division WITH audio         USPAT         2002/03/09 1           7         381/27.ccls. and voice SAME channel         USPAT         2002/03/09 1           1478         381/5.ccls. and voice AME channel         USPAT         2002/04/30 1           1478         381/5.ccls. and voice adj3 signal         USPAT         2002/04/30 1           158         381/5.ccls. and voice adj3 signal SAME multi-channel         USPAT         2002/04/30  |          | 16           | time-division WITH data adj3 generator                         | USPAT     | 2002/04/30 10:   |
| 5         selector         84/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           51         84/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           19         381/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1           46         381/\$.ccls. and channel adj3 selector         USPAT         2002/03/09 1           1         381/\$.ccls. and time-division         USPAT         2002/03/09 1           2098         370/\$.ccls. and time-division         USPAT         2002/03/09 1           10         370/\$.ccls. and time-division         USPAT         2002/03/09 1           10         370/\$.ccls. and time-division         USPAT         2002/03/09 1           10         370/\$.ccls. and time-division SAME audio         USPAT         2002/03/09 1           65         370/\$.ccls. and time-division WITH audio         USPAT         2002/03/09 1           7         381/27.ccls. and voice SAME channel         USPAT         2002/03/09 1           1478         381/5.ccls. and voice AME channel         USPAT         2002/04/30 1           1478         381/5.ccls. and voice adj3 signal         USPAT         2002/04/30 1           158         381/5.ccls. and voice adj3 signal SAME multi-channel         USPAT         2002/04/30  |          | 0            | 84/\$.ccls. and voice adi3 generator SAME channel adi3         | USPAT     | 2002/03/09 18:   |
| 5         84/\$.ccls. and voice adj3 generator SAME channel         USPAT         2002/03/09 1:           51         84/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1:           19         381/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1:           51         381/\$.ccls. and channel adj3 selector         USPAT         2002/03/09 1:           46         381/\$.ccls. and time-division         USPAT         2002/03/09 1:           1         381/\$.ccls. and time-division adj3 signal SAME channel         USPAT         2002/03/09 1:           2098         370/\$.ccls. and time-division         USPAT         2002/03/09 1:           10         370/\$.ccls. and time-division SAME audio         USPAT         2002/03/09 1:           52         370/\$.ccls. and time-division WITH audio         USPAT         2002/03/09 1:           52         370/\$.ccls. and voice SAME channel         USPAT         2002/04/30 1:           51         381/\$.ccls. and voice SAME channel         USPAT         2002/04/30 1:           52         370/\$.ccls. and voice SAME signal         USPAT         2002/04/30 1:           51         381/\$.ccls. and voice adj3 signal SAME multi-channel         USPAT         2002/04/30 1:           51         381/\$.ccls. and voice adj3 signal SAME multi-channel  |          |              |  | •••••     |                  |
| 51         84/\$.ccls. and voice adj3 generator         USPAT         2002/03/09 1: 2002/03/0   |          | E            |  | LICDAT    | 2002/02/00 49.   |
| 19       381/\$.ccls. and voice adj3 generator       USPAT       2002/03/09 1:         51       381/\$.ccls. and channel adj3 selector       USPAT       2002/03/09 1:         46       381/\$.ccls. and time-division       USPAT       2002/03/09 1:         1       381/\$.ccls. and time-division adj3 signal SAME channel       USPAT       2002/03/09 1:         2098       370/\$.ccls. and time-division       USPAT       2002/03/09 1:         104       370/\$.ccls. and time-division SAME audio       USPAT       2002/03/09 1:         65       370/\$.ccls. and time-division WITH audio       USPAT       2002/03/09 1:         52       370/\$.ccls. and voice SAME channel       USPAT       2002/03/09 1:         53       381/\$.ccls. and voice SAME channel       USPAT       2002/03/09 1:         54       381/\$.ccls. and voice Adj3 signal       USPAT       2002/04/30 1:         55       370/\$.ccls. and voice Adj3 signal       USPAT       2002/04/30 1:         51       381/\$.ccls. and voice Adj3 signal       USPAT       2002/04/30 1:         51       381/\$.ccls. and voice Adj3 signal       USPAT       2002/04/30 1:         52       381/\$.ccls. and voice Adj3 signal       USPAT       2002/04/30 1:         53       381/\$.ccls. and voice Adj3 signal       USPAT<  |          | _            |  |           | <b>I</b>         |
| 51         381/\$.ccls. and channel adj3 selector         USPAT         2002/03/09 1:           46         381/\$.ccls. and time-division         USPAT         2002/03/09 1:           2098         370/\$.ccls. and time-division         USPAT         2002/03/09 1:           10         370/\$.ccls. and time-division         USPAT         2002/03/09 1:           104         370/\$.ccls. and time-division SAME audio         USPAT         2002/03/09 1:           52         370/\$.ccls. and time-division WITH audio         USPAT         2002/03/09 1:           52         370/\$.ccls. and voice SAME channel         USPAT         2002/03/09 1:           7         381/27.ccls. and voice SAME signal         USPAT         2002/03/09 1:           1478         381/\$.ccls. and voice SAME signal         USPAT         2002/04/30 1:           1478         381/\$.ccls. and voice adj3 signal         USPAT         2002/04/30 1:           3         381/\$.ccls. and voice adj3 signal SAME multi-channel         USPAT         2002/04/30 1:           4         455/\$.ad4-437.ccls. and voice adj3 signal SAME multi-channel         USPAT         2002/04/30 1:           4         381/\$/ccls. and voice SAME multi-channel SAME select\$3         USPAT         2002/04/30 1:           0         381/\$/ccls. and channel SAME select\$3 <td< td=""><td></td><td></td><td></td><td>USPAT</td><td>  2002/03/09 18:</td></td<>   |          |              |  | USPAT     | 2002/03/09 18:   |
| 46 381/\$.ccls. and time-division 1 381/\$.ccls. and time-division adj3 signal SAME channel 2098 370/\$.ccls. and time-division 10 370/\$.ccls. and time-division 10 370/\$.ccls. and time-division 10 370/\$.ccls. and time-division 10 370/\$.ccls. and time-division SAME audio 10 370/\$.ccls. and time-division WITH audio 10 370/\$.ccls. and time-division WITH demodulat\$3 10 370/\$.ccls. and time-division WITH demodulat\$3 10 381/\$.ccls. and voice SAME channel 11478 381/\$.ccls. and voice SAME signal 11478 381/\$.ccls. and voice Adj3 signal 11518 381/\$.ccls. and voice adj3 signal SAME multi-channel 1152 381/\$.ccls. and voice adj3 signal SAME multi-channel 1153 381/\$.ccls. and voice adj3 signal SAME multi-channel 1154 381/\$.ccls. and voice adj3 signal SAME multi-channel 1155 381/\$.ccls. and voice SAME channel SAME select\$3 1155 381/\$.ccls. and voice SAME channel SAME select\$3 1156 381/\$.ccls. and channel adj3 select\$3 1167 381/\$.ccls. and channel adj3 select\$3 117 381/\$.ccls. and channel adj3 select\$3 118 381/\$.ccls. and channel adj3 select\$3 119 381/\$.ccls. and channel adj3 select\$3 129 381/\$.ccls. and channel adj3 select\$3 130 381/\$.ccls. and channel adj3 select\$3 131 381/\$.ccls. and channel adj3 select\$3 147 2002/04/30 10 150 381/\$.ccls. and channel adj3 select\$3 150 381/\$.ccls. and periodic adj3 voice adj3 signals   |          | 19           | 381/\$.ccls. and voice adj3 generator                          | USPAT     | 2002/03/09 18:   |
| 46 381/\$.ccls. and time-division 1 381/\$.ccls. and time-division adj3 signal SAME channel 2098 370/\$.ccls. and time-division 10 370/\$.ccls. and time-division 10 370/\$.ccls. and time-division 10 370/\$.ccls. and time-division 10 370/\$.ccls. and time-division SAME audio 10 370/\$.ccls. and time-division WITH audio 10 370/\$.ccls. and time-division WITH demodulat\$3 10 370/\$.ccls. and time-division WITH demodulat\$3 10 381/\$.ccls. and voice SAME channel 11478 381/\$.ccls. and voice SAME signal 11478 381/\$.ccls. and voice Adj3 signal 11518 381/\$.ccls. and voice adj3 signal SAME multi-channel 1152 381/\$.ccls. and voice adj3 signal SAME multi-channel 1153 381/\$.ccls. and voice adj3 signal SAME multi-channel 1154 381/\$.ccls. and voice adj3 signal SAME multi-channel 1155 381/\$.ccls. and voice SAME channel SAME select\$3 1155 381/\$.ccls. and voice SAME channel SAME select\$3 1156 381/\$.ccls. and channel adj3 select\$3 1167 381/\$.ccls. and channel adj3 select\$3 117 381/\$.ccls. and channel adj3 select\$3 118 381/\$.ccls. and channel adj3 select\$3 119 381/\$.ccls. and channel adj3 select\$3 129 381/\$.ccls. and channel adj3 select\$3 130 381/\$.ccls. and channel adj3 select\$3 131 381/\$.ccls. and channel adj3 select\$3 147 2002/04/30 10 150 381/\$.ccls. and channel adj3 select\$3 150 381/\$.ccls. and periodic adj3 voice adj3 signals   |          | 51           | 381/\$.ccls. and channel adi3 selector                         | USPAT     | 2002/03/09 18:   |
| 381/\$.ccls. and time-division adj3 signal SAME channel   USPAT   2002/03/09 18   370/\$.ccls. and time-division   USPAT   2002/03/09 18   2002/03/09 19   200  |          |              |  |           |                  |
| 2098   370/\$.ccls. and time-division   USPAT   2002/03/09 19   10   370/\$.ccls. and time-division SAME audio   USPAT   2002/03/09 19   2002/  |          |              |  |           |                  |
| 10 370/368.ccls. and time-division  |          | <del>-</del> |  |           |                  |
| 104   370/\$.ccls. and time-division SAME audio   USPAT   2002/03/09 19   370/\$.ccls. and time-division WITH audio   USPAT   2002/03/09 19   | ļ        | 2098         |  | USPAT     | 2002/03/09 19:   |
| 104   370/\$.ccls. and time-division SAME audio   USPAT   2002/03/09 19   370/\$.ccls. and time-division WITH audio   USPAT   2002/03/09 19   | 1        | 10           | 370/368.ccls. and time-division                                | USPAT     | 2002/05/02 10:   |
| 65       370/\$.ccls. and time-division WITH audio       USPAT       2002/03/09 19         52       370/\$.ccls. and time-division WITH demodulat\$3       USPAT       2002/03/09 19         7       381/27.ccls. and voice SAME channel       USPAT       2002/04/30 10         1478       381/\$.ccls. and voice SAME signal       USPAT       2002/04/30 10         518       381/\$.ccls. and voice adj3 signal       USPAT       2002/04/30 10         3       381/\$.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 10         455/\$.ad-437.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 10         381/\$110.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 10         49       381/10.ccls. and voice adj3 signal       USPAT       2002/04/30 10         49       381/\$/ccls. and voice SAME multi-channel SAME select\$3       USPAT       2002/04/30 10         0       381/\$/ccls. and channel SAME select\$3       USPAT       2002/04/30 10         15       381/80.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         8       381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         10       381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         10       38   |          | 104          |  |           |                  |
| 52       370/\$.ccls. and time-division WITH demodulat\$3       USPAT       2002/03/09 15         7       381/27.ccls. and voice SAME channel       USPAT       2002/04/30 16         1478       381/\$.ccls. and voice SAME signal       USPAT       2002/04/30 16         518       381/\$.ccls. and voice adj3 signal       USPAT       2002/04/30 16         3       381/\$.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 16         4       455/\$.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 16         0       381/110.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 16         49       381/110.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 16         0       381/\$/ccls. and voice Adj3 signal SAME select\$3       USPAT       2002/04/30 16         10       381/\$/ccls. and voice SAME multi-channel SAME select\$3       USPAT       2002/04/30 16         15       381/80.ccls. and channel SAME select\$3       USPAT       2002/04/30 16         15       381/80.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         16       381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         17       381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16   |          | -            | ,  |           | i i              |
| 7       381/27.ccls. and voice SAME channel       USPAT       2002/04/30 10         1478       381/\$.ccls. and voice SAME signal       USPAT       2002/04/30 10         518       381/\$.ccls. and voice adj3 signal       USPAT       2002/04/30 10         3       381/\$.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 10         455/\$.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 10         381/\$110.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 10         49       381/\$10.ccls. and voice adj3 signal       USPAT       2002/04/30 10         381/\$/ccls. and voice SAME multi-channel SAME select\$3       USPAT       2002/04/30 10         381/\$/ccls. and voice SAME channel SAME select\$3       USPAT       2002/04/30 10         381/\$/ccls. and channel SAME select\$3       USPAT       2002/04/30 10         381/80.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         455/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         455/\$.ccls. and periodic adj3  |          |              |  |           | i i              |
| 1478       381/\$.ccls. and voice SAME signal       USPAT       2002/04/30 10         518       381/\$.ccls. and voice adj3 signal       USPAT       2002/04/30 10         3       381/\$.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 10         8       455/\$.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 10         3       455/434-437.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 10         49       381/110.ccls. and voice adj3 signal       USPAT       2002/04/30 10         49       381/\$/ccls. and voice SAME multi-channel SAME select\$3       USPAT       2002/04/30 10         0       381/\$/ccls. and voice SAME channel SAME select\$3       USPAT       2002/04/30 10         15       381/\$/ccls. and channel SAME select\$3       USPAT       2002/04/30 10         15       381/80.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         301       381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         301       381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         455/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         381/\$.ccls. and periodic adj3 voice adj3 signals       USPAT       2002/04/30 10         381/\$.ccl  |          |              |  |           |                  |
| 518       381/\$.ccls. and voice adj3 signal       USPAT       2002/04/30 16         3 81/\$.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 16         8 455/\$.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 16         3 455/434-437.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 16         0 381/110.ccls. and voice adj3 signal       USPAT       2002/04/30 16         49 381/110.ccls. and voice SAME multi-channel       USPAT       2002/04/30 16         0 381/\$/ccls. and voice SAME multi-channel SAME select\$3       USPAT       2002/04/30 16         15 381/80.ccls. and channel SAME select\$3       USPAT       2002/04/30 16         15 381/80.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and periodic adj3 voice adj3 signals       USPAT       2002/04/30 16         302/04/30 16       USPAT  |          | -            |  |           | 2002/04/30 10:   |
| 518       381/\$.ccls. and voice adj3 signal       USPAT       2002/04/30 16         3 81/\$.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 16         8 455/\$.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 16         3 455/434-437.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 16         0 381/110.ccls. and voice adj3 signal       USPAT       2002/04/30 16         49 381/110.ccls. and voice SAME multi-channel       USPAT       2002/04/30 16         0 381/\$/ccls. and voice SAME multi-channel SAME select\$3       USPAT       2002/04/30 16         15 381/80.ccls. and channel SAME select\$3       USPAT       2002/04/30 16         15 381/80.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 16         301 381/\$.ccls. and periodic adj3 voice adj3 signals       USPAT       2002/04/30 16         302/04/30 16       USPAT  |          | 1478         | 381/\$.ccls. and voice SAME signal                             | USPAT     | 2002/04/30 10:   |
| 3 381/\$.ccls. and voice adj3 signal SAME multi-channel 455/\$.ccls. and voice adj3 signal SAME multi-channel 3 455/434-437.ccls. and voice adj3 signal SAME multi-channel 0 381/110.ccls. and voice adj3 signal SAME multi-channel 1 USPAT 2002/04/30 10   |          |              |  |           | l l              |
| 8 455/\$.ccls. and voice adj3 signal SAME multi-channel 3 455/434-437.ccls. and voice adj3 signal SAME multi-channel 0 381/110.ccls. and voice adj3 signal SAME multi-channel 1 49 381/110.ccls. and voice adj3 signal 1 0 381/\$/ccls. and voice SAME multi-channel SAME select\$3 1 0 381/\$/ccls. and voice SAME multi-channel SAME select\$3 2 0 381/\$/ccls. and voice SAME channel SAME select\$3 3 15 381/80.ccls. and channel SAME select\$3 3 16 381/80.ccls. and channel adj3 select\$3 3 17 381/\$.ccls. and channel adj3 select\$3 3 18 381/\$.ccls. and channel adj3 select\$3 3 18 381/\$.ccls. and channel adj3 select\$3    |          |              |  |           |                  |
| 3 455/434-437.ccls. and voice adj3 signal SAME multi-channel 0 381/110.ccls. and voice adj3 signal SAME multi-channel 49 381/110.ccls. and voice adj3 signal 0 381/\$/ccls. and voice SAME multi-channel SAME select\$3 0 381/\$/ccls. and voice SAME multi-channel SAME select\$3 15 381/80.ccls. and channel SAME select\$3 16 381/80.ccls. and channel adj3 select\$3 17 301 381/\$.ccls. and channel adj3 select\$3 18 381/\$.ccls. and channel adj3 select\$3 19 381/\$.ccls. and channel adj3 select\$3 381/\$. |          | _            |  |           |                  |
| 0       381/110.ccls. and voice adj3 signal SAME multi-channel       USPAT       2002/04/30 10         49       381/110.ccls. and voice adj3 signal       USPAT       2002/04/30 10         0       381/\$/ccls. and voice SAME multi-channel SAME select\$3       USPAT       2002/04/30 10         0       381/\$/ccls. and voice SAME channel SAME select\$3       USPAT       2002/04/30 10         15       381/80.ccls. and channel SAME select\$3       USPAT       2002/04/30 10         8       381/80.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         301       381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         5       381/\$.ccls. and channel adj3 select\$3 SAME time-division       USPAT       2002/04/30 10         11       455/\$.ccls. and periodic adj3 voice adj3 signals       USPAT       2002/04/30 10         0       455/\$.ccls. and periodic adj3 voice adj3 signals       USPAT       2002/04/30 10  |          |              |  |           |                  |
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| 49   381/110.ccls. and voice adj3 signal   USPAT   2002/04/30 10   381/\$/ccls. and voice SAME multi-channel SAME select\$3   USPAT   2002/04/30 10   381/\$/ccls. and voice SAME channel SAME select\$3   USPAT   2002/04/30 10   381/\$0.ccls. and channel SAME select\$3   USPAT   2002/04/30 10   381/\$0.ccls. and channel adj3 select\$3   USPAT   2002/04/30 10   381/\$0.ccls. and channel adj3 select\$3   USPAT   2002/04/30 10   381/\$0.ccls. and channel adj3 select\$3   USPAT   2002/04/30 10   2002/04/30   2002/04/30 10   2002/04/30 10   |          | 0            | 381/110.ccls. and voice adj3 signal SAME multi-channel         | USPAT     | 2002/04/30 10:   |
| 0       381/\$/ccls. and voice SAME multi-channel SAME select\$3       USPAT       2002/04/30 10         0       381/\$/ccls. and voice SAME channel SAME select\$3       USPAT       2002/04/30 10         15       381/80.ccls. and channel SAME select\$3       USPAT       2002/04/30 10         8       381/80.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         301       381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         5       381/\$.ccls. and channel adj3 select\$3 SAME time-division       USPAT       2002/04/30 10         11       455/\$.ccls. and channel adj3 select\$3 SAME time-division       USPAT       2002/04/30 10         1       381/\$.ccls. and periodic adj3 voice adj3 signals       USPAT       2002/04/30 10         0       455/\$.ccls. and periodic adj3 voice adj3 signals       USPAT       2002/04/30 10   | 1        | 49           |  |           |                  |
| 0       381/\$/ccls. and voice SAME channel SAME select\$3       USPAT       2002/04/30 10         15       381/80.ccls. and channel SAME select\$3       USPAT       2002/04/30 10         301       381/\$.ccls. and channel adj3 select\$3       USPAT       2002/04/30 10         5       381/\$.ccls. and channel adj3 select\$3 SAME time-division       USPAT       2002/04/30 10         11       455/\$.ccls. and channel adj3 select\$3 SAME time-division       USPAT       2002/04/30 10         1       381/\$.ccls. and periodic adj3 voice adj3 signals       USPAT       2002/04/30 10         0       455/\$.ccls. and periodic adj3 voice adj3 signals       USPAT       2002/04/30 10  |          | Ξ.,          |  | 1         | 1                |
| 15 381/80.ccls. and channel SAME select\$3 USPAT 2002/04/30 10 381/80.ccls. and channel adj3 select\$3 USPAT 2002/04/30 10 381/\$.ccls. and channel adj3 select\$3 USPAT 2002/04/30 10 381/\$.ccls. and channel adj3 select\$3 SAME time-division USPAT 2002/04/30 10 455/\$.ccls. and periodic adj3 voice adj3 signals USPAT 2002/04/30 10 455/\$.ccls. and periodic adj3 voice adj3 signals USPAT 2002/04/30 10 2002/04/30 10 455/\$.ccls. and periodic adj3 voice adj3 signals USPAT 2002/04/30 10 2002/04/30 10 455/\$.ccls. and periodic adj3 voice adj3 signals USPAT 2002/04/30 10 455/\$.ccls. and periodic adj3 voice adj3 signals   |          |              |  |           |                  |
| 8 381/80.ccls. and channel adj3 select\$3 301 381/\$.ccls. and channel adj3 select\$3 5 381/\$.ccls. and channel adj3 select\$3 SAME time-division 11 455/\$.ccls. and channel adj3 select\$3 SAME time-division 12 381/\$.ccls. and channel adj3 select\$3 SAME time-division 13 381/\$.ccls. and periodic adj3 voice adj3 signals 0 455/\$.ccls. and periodic adj3 voice adj3 signals USPAT 2002/04/30 10 2002/04/30 10 2002/04/30 10   |          |              |  |           |                  |
| 8 381/80.ccls. and channel adj3 select\$3 301 381/\$.ccls. and channel adj3 select\$3 5 381/\$.ccls. and channel adj3 select\$3 SAME time-division 11 455/\$.ccls. and channel adj3 select\$3 SAME time-division 12 381/\$.ccls. and periodic adj3 voice adj3 signals 13 455/\$.ccls. and periodic adj3 voice adj3 signals 14 455/\$.ccls. and periodic adj3 voice adj3 signals 15 2002/04/30 10 2002/04/30 10 2002/04/30 10 2002/04/30 10  | İ        | 15           | 381/80.ccls. and channel SAME select\$3                        | USPAT     | 2002/04/30 10:   |
| 301 381/\$.ccls. and channel adj3 select\$3 5 381/\$.ccls. and channel adj3 select\$3 SAME time-division 11 455/\$.ccls. and channel adj3 select\$3 SAME time-division 12 381/\$.ccls. and periodic adj3 voice adj3 signals 13 381/\$.ccls. and periodic adj3 voice adj3 signals 14 455/\$.ccls. and periodic adj3 voice adj3 signals 15 2002/04/30 10 2002   |          | 8            | 381/80.ccls. and channel adj3 select\$3                        |           |                  |
| 5 381/\$.ccls. and channel adj3 select\$3 SAME time-division USPAT 2002/04/30 10 11 455/\$.ccls. and channel adj3 select\$3 SAME time-division USPAT 2002/04/30 10 11 381/\$.ccls. and periodic adj3 voice adj3 signals USPAT 2002/04/30 10 11 12 12 12 12 12 12 12 12 12 12 12 12  |          | -            |  |           |                  |
| 11       455/\$.ccls. and channel adj3 select\$3 SAME time-division       USPAT       2002/04/30 10         1       381/\$.ccls. and periodic adj3 voice adj3 signals       USPAT       2002/04/30 10         0       455/\$.ccls. and periodic adj3 voice adj3 signals       USPAT       2002/04/30 10   |          |              |  |           |                  |
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| 0 455/\$.ccls. and periodic adj3 voice adj3 signals USPAT 2002/04/30 10   |          | 11           |  | USPAT     | 2002/04/30 10:   |
| 0 455/\$.ccls. and periodic adj3 voice adj3 signals USPAT 2002/04/30 10   |          | 1            | 381/\$.ccls. and periodic adj3 voice adj3 signals              | USPAT     | 2002/04/30 10    |
|   |          | _            |  |           |                  |
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| -        | 51   | 381/\$.ccls. and channel adj3 selector                        | USPAT | 2002/04/30 10:42 |
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| -        | 0    | 381/\$.ccls. and channel adj3 selector SAME voice             | USPAT | 2002/04/30 10:42 |
| -        | o    | time-division WITH voice adj3 generator                       | USPAT | 2002/04/30 10:46 |
| 1_       | 1    | 381/\$.ccls. and time-division WITH multi-channel             | USPAT | 2002/04/30 10:48 |
|          | ò    | 381/\$.ccls. and time-division WITH multiple adj3 channel     | USPAT | 2002/04/30 10:48 |
| -        | 2    | 381/80.ccls. and time-division                                | USPAT | 2002/04/30 10:49 |
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| -        | 4    | 381/1.ccls. and time-division                                 | USPAT | 2002/04/30 10:49 |
| -        | 32   | time-division WITH multi-channel                              | USPAT | 2002/04/30 10:58 |
| -        | 2    | 381/\$.ccls. and time-division WITH channel adj3 select\$3    | USPAT | 2002/04/30 10:59 |
| -        | 39   | time-division WITH channel adj3 select\$3                     | USPAT | 2002/04/30 11:12 |
| -        | 5    | "4182991"   | USPAT | 2002/04/30 11:12 |
| -        | 0    | 381/\$.ccls. and time-division SAME envelope                  | USPAT | 2002/05/01 11:11 |
|          | 66   | time-division SAME envelope                                   | USPAT | 2002/05/01 13:04 |
| _        | 3    | 455/\$.ccls. and time-division SAME envelope                  | USPAT | 2002/05/01 11:10 |
| 1_       | Ö    | 381/\$.ccls. and TDM SAME envelope                            | USPAT | 2002/05/01 11:12 |
|          | 35   | TDM SAME envelope   | USPAT | 2002/05/01 11:12 |
| -        | 17   |   | USPAT | 2002/05/01 11:12 |
| [ -      |      | TDM WITH envelope   | l     | t i              |
| -        | 0    | time-division SAME envelope SAME multi-channel                | USPAT | 2002/05/01 13:05 |
| -        | 0    | time-division SAME envelope adj3 signal SAME multi-channel    | USPAT | 2002/05/01 13:05 |
| -        | 18   | time-division SAME envelope adj3 signal                       | USPAT | 2002/05/01 13:10 |
| -        | 1    | 381/\$.ccls. and voice adj3 channel SAME envelope adj3 signal | USPAT | 2002/05/01 13:11 |
| -        | 0    | 379/\$.ccls. and voice adj3 channel SAME envelope adj3 signal | USPAT | 2002/05/01 13:12 |
| [ -      | 4    | 704/\$.ccls. and voice adj3 channel SAME envelope adj3 signal | USPAT | 2002/05/01 13:13 |
| -        | 102  | channel SAME envelope SAME time adj3 division                 | USPAT | 2002/05/01 13:14 |
| 1.       | 64   | channel WITH envelope WITH time adj3 division                 | USPAT | 2002/05/01 13:30 |
| 1_       | 230  | voice adj3 channel WITH time adj3 division                    | USPAT | 2002/05/01 13:31 |
| <u>-</u> | 9    | 704/\$.ccls. and voice adj3 channel WITH time adj3 division   | USPAT | 2002/05/01 13:37 |
| _        | Ĭ    | 700/94.ccls. and voice adj3 channel WITH time adj3 division   | USPAT | 2002/05/01 13:45 |
| -        | I    |   |       | 1                |
| -        | 1    | 381/\$.ccls. and voice adj3 channel WITH time adj3 division   | USPAT | 2002/05/01 13:46 |
| -        | 44   | 455/\$.ccls. and voice adj3 channel WITH time adj3 division   | USPAT | 2002/05/01 14:58 |
| -        | 2108 | demodulat\$3 SAME envelope                                    | USPAT | 2002/05/01 14:59 |
| -        | 69   | 381/\$.ccls. and demodulat\$3 WITH envelope                   | USPAT | 2002/05/01 15:31 |
| _        | 356  | 381/\$.ccls. and channel adj3 select\$3                       | USPAT | 2002/05/01 15:31 |
| -        | 10   | 381/80.ccls. and channel adj3 select\$3                       | USPAT | 2002/05/01 15:37 |
| -        | 25   | 381/1.ccls. and channel adj3 select\$3                        | USPAT | 2002/05/01 15:40 |
| -        | 5    | 381/\$.ccls. and channel adj3 select\$3 SAME envelope         | USPAT | 2002/05/01 16:48 |
| 1_       | 521  | voice adj3 generator  | USPAT | 2002/05/01 16:49 |
|          | 16   | voice adj3 generator WITH envelope                            | USPAT | 2002/05/01 17:00 |
| -        | '0   | voice adjo generator WITH time-division                       | USPAT | 2002/05/01 17:00 |
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| -        | 1    | voice adj3 generator WITH time adj3 division                  |       | I .              |
| -        | 0    | voice adj3 generator WITH TDM                                 | USPAT | 2002/05/01 17:03 |
| -        | 17   | voice adj3 generator WITH channel                             | USPAT | 2002/05/01 17:03 |
| -        | 25   | voice adj3 generator SAME envelope                            | USPAT | 2002/05/01 17:06 |
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| -        | 10   | "4841522"   | USPAT | 2002/05/02 13:42 |
| -        | 2    | 381/119.ccls. and TDM   | USPAT | 2002/05/02 13:45 |
| -        | 2    | 381/119.ccls. and time-division                               | USPAT | 2002/05/02 13:45 |
| -        | 19   | 381/\$.ccls. and voice adj3 generator                         | USPAT | 2002/10/15 15:59 |
| -        | 52   | 84/\$.ccls. and voice adj3 generator                          | USPAT | 2002/10/15 15:59 |
| -        | 5    | 84/\$.ccls. and voice adj3 generator SAME channels            | USPAT | 2002/10/15 16:01 |
| 1_       | 9    | voice adj3 generator SAME channels                            | USPAT | 2002/10/15 16:09 |
|          | ٥    | 704/258.ccls. and TDM SAME voice adj3 generator               | USPAT | 2002/10/19 17:55 |
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| -        | 0    | 704/258.ccls. and voice adj3 generator SAME time adj3         | USPAT | 2002/10/19 17:55 |
|          |      | division  |       | 00004040 47 77   |
| -        | 0    | 704/258.ccls. and voice adj3 generator SAME multiplex\$3      | USPAT | 2002/10/19 17:56 |
| -        | 2    | 704/258.ccls. and voice adj3 synthesizer SAME multiplex\$3    | USPAT | 2002/10/19 17:56 |
| -        | 15   | 704/258.ccls. and voice adj3 generator                        | USPAT | 2002/10/19 18:00 |
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| -        | 41   | 704/500-504.ccls. and synthesizer                             | USPAT | 2002/10/29 15:04 |
| -        | 5    | 704/500-504.ccls. and synthesizer SAME multiplex\$3           | USPAT | 2002/10/29 15:11 |
| -        | 1 1  | 704/500-504.ccls. and voice adj3 generator                    | USPAT | 2002/10/29 15:11 |
| 1.       | 56   | 704/\$.ccls. and voice adj3 generator                         | USPAT | 2002/10/29 15:12 |
| 1_       | 2    | 704/\$.ccls. and voice adj3 generator SAME multiplex\$3       | USPAT | 2002/10/29 15:13 |
| 1        | I .  |   |       |                  |
| -        | 0    | 704/\$.ccls. and voice adj3 generator SAME time adj3 division | USPAT | 2002/10/29 15:14 |
| -        | 56   | 704/\$.ccls. and voice adj3 generator                         | USPAT | 2002/10/29 15:14 |
| -        | 0    | 704/205.ccls. and voice adj3 generator                        | USPAT | 2002/10/29 15:14 |
| -        | 15   | 704/258.ccls. and voice adj3 generator                        | USPAT | 2002/10/29 16:14 |
| L        | 2    | 704/258.ccls. and time adj3 division adj3 multiplex\$3        | USPAT | 2002/10/29 16:17 |

| ·            | 15     | 704/500-504.ccls. and time adj3 division adj3 multiplex\$3      | USPAT    | 2002/10/29 16:18 |
|--------------|--------|---|----------|------------------|
| _            | 334    | voice adj3 data adj3 generat\$3                                 | USPAT    | 2002/10/29 16:50 |
| 1_           | 221    | voice adj3 data adj3 generat\$3 SAME voice adj3 generat\$3      | USPAT    | 2002/10/29 16:56 |
|              | 217    | voice adj3 data adj3 generat\$3 WITH voice adj3 generat\$3      | USPAT    | 2002/10/29 17:00 |
| -            | 5      | voice adj3 data adj3 generat\$3 WITH voice adj3 generat\$3      | USPAT    | 2002/10/29 17:16 |
| -            | 3      |   | USPAT    | 2002/10/29 17:16 |
|              |        | SAME time adj3 division   |          |                  |
| -            | 44     | 704/\$.ccls. and voice adj3 data adj3 generat\$3 WITH voice     | USPAT    | 2002/10/29 17:18 |
|              |        | adj3 generat\$3   |          |                  |
| -            | 0      | 381/119.ccls. and voice adj3 data adj3 generat\$3 WITH voice    | USPAT    | 2002/10/29 17:19 |
|              |        | adj3 generat\$3   |          |                  |
| _            | 3      | 381/\$.ccls. and voice adj3 data adj3 generat\$3 WITH voice     | USPAT    | 2002/10/29 17:20 |
|              | _      | adj3 generat\$3   |          |                  |
|              | 14     | 84/\$.ccls. and voice adj3 data adj3 generat\$3 WITH voice adj3 | USPAT    | 2002/10/29 17:20 |
| _            | '-     | generat\$3  | 00171    | 2002/10/29 17:20 |
|              | 187    |   | LICOAT   | 2000/40/20 47:00 |
| •            |        | 704/258.ccls. and output SAME synthesiz\$3                      | USPAT    | 2002/10/30 17:06 |
| -            | 160    | 704/258.ccls. and time SAME synthesiz\$3                        | USPAT    | 2002/10/30 17:06 |
| -            | 1      | 704/258.ccls. and time adj3 division SAME synthesiz\$3          | USPAT    | 2002/10/30 17:09 |
| -            | 1      | 704/\$.ccls. and time adj3 division SAME envelope SAME          | USPAT    | 2002/10/30 17:10 |
|              |        | synthesiz\$3  |          | <b>i</b> :       |
| -            | 81     | 704/\$.ccls. and time SAME envelope SAME synthesiz\$3           | USPAT    | 2002/10/30 17:10 |
| _            | 21     | 704/\$.ccls. and time WITH envelope WITH synthesiz\$3           | USPAT    | 2002/10/30 17:13 |
| -            | 4      | 704/258.ccls. and voice adj3 data adj3 generator WITH           | USPAT    | 2002/10/30 17:16 |
|              |        | synthesiz\$3  | 55.711   |                  |
| 1_           | l o    | 704/258.ccls. and multichannel SAME synthesiz\$3                | USPAT    | 2002/40/20 47:40 |
| 1 -          | _      |   |          | 2002/10/30 17:16 |
| -            | 0      | 704/258.ccls. and plural adj3 channels SAME synthesiz\$3        | USPAT    | 2002/10/30 17:17 |
| -            | 17     | 704/258.ccls. and channels SAME synthesiz\$3                    | USPAT    | 2002/10/30 17:29 |
| -            | 23     | 704/258.ccls. and channels SAME select\$3                       | USPAT    | 2002/10/30 17:30 |
| -            | 18     | 704/258.ccls. and channels WITh select\$3                       | USPAT    | 2002/10/30 17:41 |
| -            | 9      | 704/258.ccls. and channels SAME select\$3 SAME                  | USPAT    | 2002/10/30 17:49 |
|              |        | synthesiz\$3  |          |                  |
| 1 -          | 1      | 704/\$.ccls. and channels SAME select\$3 SAME synthesiz\$3      | USPAT    | 2002/10/30 17:50 |
|              | •      | SAME time adj3 division   | 001711   | 2002/10/00 17:00 |
|              | 0      | 704/\$.ccls. and channels SAME select\$3 SAME MSB               | LICDAT   | 2000/40/20 47-54 |
| -            | Į.     |   | USPAT    | 2002/10/30 17:51 |
| -            | 74     | 704/\$.ccls. and channels SAME select\$3 SAME bit               | USPAT    | 2002/10/30 17:51 |
| -            | 46     | 704/\$.ccls. and channels SAME select\$3 WITH bit               | USPAT    | 2002/10/30 17:52 |
| -            | 23     | 704/\$.ccls. and channels WITH select\$3 WITH bit               | USPAT    | 2002/10/30 17:52 |
| -            | 568111 | 704/\$.ccls. and voice WITH mulitple adj\$3 channels            | USPAT    | 2003/04/19 14:31 |
| -            | 568111 | 704/500-504.ccls. and voice WITH mulitple adj\$3 channels       | USPAT    | 2003/04/19 14:31 |
| -            | 0      | 704/500-504.ccls. and voice WITH mulitple adj3 channels         | USPAT    | 2003/04/19 14:31 |
| -            | 0      | 704/\$.ccls. and voice WITH mulitple adj3 channels              | USPAT    | 2003/04/19 14:31 |
| <u>-</u>     | 528    | 704/\$.ccls. and voice WITH channel                             | USPAT    | 2003/04/19 14:31 |
| 1_           | 97     | 704/\$.ccls. and voice adj3 signal WITH channel                 | USPAT    | 2003/04/19 14:32 |
|              | 0      |   | 1        |                  |
| -            | _      | 704/\$.ccls. and voice adj3 synthes\$3! WITH channel            | USPAT    | 2003/04/19 14:32 |
| -            | 15     | 704/\$.ccls. and voice adj3 synthes\$3 WITH channel             | USPAT    | 2003/04/19 14:34 |
| -            | 57     | 704/\$.ccls. and voice adj3 generator                           | USPAT    | 2003/04/19 14:38 |
| -            | 0      | 704/\$.ccls. and voice adj3 generator SAME TDM                  | USPAT    | 2003/04/19 14:35 |
| -            | 0      | 704/\$.ccls. and voice adj3 generator SAME multi-channel        | USPAT    | 2003/04/19 14:35 |
| -            | 2      | 704/\$.ccls. and voice adj3 generator SAME channel              | USPAT    | 2003/04/19 14:35 |
| -            | 3      | 704/\$.ccls. and voice adj3 generator SAME music                | USPAT    | 2003/04/19 14:36 |
| -            | 2      | 704/\$.ccls. and voice adj3 generator SAME multiplex\$3         | USPAT    | 2003/04/19 14:40 |
| 1-           | 3      | 84/\$.ccls. and voice adj3 generator SAME multiplex\$3          | USPAT    | 2003/04/19 14:41 |
| -            | 269    | 84/\$.ccls. and time adj3 division adj3 multiplex\$3            | USPAT    | 2003/04/19 14:41 |
| 1_           | 6      | 84/\$.ccls. and time adj3 division adj3 multiplex\$3 WITH music |          |                  |
| -            |        |   | USPAT    | 2003/04/19 14:41 |
| ] -          | 1 57   | voice adj3 data adj3 generators\$3                              | USPAT    | 2003/04/21 11:29 |
| 1 -          | 57     | voice adj3 generators   | USPAT    | 2003/04/21 11:24 |
| -            | 4      | voice adj3 generators SAME channels                             | USPAT    | 2003/04/21 11:27 |
| -            | 1382   | voice adj3 signals SAME channels                                | USPAT    | 2003/04/21 11:27 |
| -            | 652    | voice adj3 signals WITH channels                                | USPAT    | 2003/04/21 11:27 |
| -            | 4      | voice adj3 signals WITH channels adj3 select\$3                 | USPAT    | 2003/04/21 11:28 |
| -            | 1      | voice adj3 data adj3 generators                                 | USPAT    | 2003/04/21 11:34 |
| -            | 10     | 381/\$.ccls. and channels SAME TDM                              | USPAT    | 2003/04/21 11:41 |
| .            | 2      | 381/\$.ccls. and voice adj3 channels SAME TDM                   | USPAT    |                  |
| _            | 0      |   |          | 2003/04/21 11:43 |
| _            |        | 84/\$.ccls. and voice adj3 channels SAME TDM                    | USPAT    | 2003/04/21 11:43 |
| -            | 33     | 84/\$.ccls. and voice adj3 channels                             | USPAT    | 2003/04/21 11:49 |
| -            | 1      | 381/\$.ccls. and voice adj3 signal SAME PWM                     | USPAT    | 2003/05/05 09:44 |
| -            | 0      | TDM SAME voice adj3 signal SAME channel adj select\$3           | EPO; JPO | 2003/05/05 09:48 |
| -            | 11     | TDM SAME voice adj3 signal                                      | EPO; JPO | 2003/05/05 09:53 |
|              | 185    | TDM SAME channel  | EPO; JPO | 2003/05/05 09:53 |
| Search Histo |        | 0:46:16 AM Page 2   |          |                  |

|     |     | · ` ` ` ` ` · · · · · · · · · · · · · ·                    |          |                  |
|-----|-----|--|----------|------------------|
| [-  | 19  | TDM SAME channel SAME voice                                | EPO; JPO | 2003/05/05 10:02 |
| -   | 110 | 379/\$.ccls. and TDM SAME channel SAME voice               | USPAT    | 2003/05/05 10:05 |
| -   | 33  | 379/\$.ccls. and TDM WITH channel WITH voice               | USPAT    | 2003/05/05 10:13 |
| -   | 0   | 84/\$.ccls. and voice adj3 generators SAME TDM             | USPAT    | 2003/05/05 10:14 |
| -   | 0   | 84/\$.ccls. and voice adj3 signals SAME TDM                | USPAT    | 2003/05/05 10:14 |
| -   | 1   | 84/\$.ccls. and voice adj3 signals SAME Time adj3 division | USPAT    | 2003/05/05 10:17 |
| -   | 20  | 84/\$.ccls. and voice SAME Time adj3 division              | USPAT    | 2003/05/05 10:20 |
| -   | 9   | 84/\$.ccls. and voice SAME Time adj3 division SAME channel | USPAT    | 2003/05/05 13:42 |
| -   | 364 | 370/537.CCLS.  | USPAT    | 2003/05/07 11:23 |
| -   | 222 | 370/538.CCLS.  | USPAT    | 2003/05/07 11:23 |
| -   | 178 | 370/538.CCLS. and channel                                  | USPAT    | 2003/05/07 11:24 |
| -   | 22  | 370/538.CCLS. and channel SAME TDM                         | USPAT    | 2003/05/07 12:09 |
| -   | 29  | 370/537.CCLS. and channel SAME TDM                         | USPAT    | 2003/05/07 12:10 |
| -   | 24  | 370/537.CCLS. and channel WITH TDM                         | USPAT    | 2003/05/07 14:01 |
| -   | 2   | (("5905673") or ("5764560")).PN.                           | USPAT    | 2003/05/07 14:01 |
| -   | 0   | 370/537538.ccls. and TDM SAME envelope adj3 signal         | USPAT    | 2003/05/18 18:31 |
| -   | 0   | 370/537-538.ccls. and TDM SAME envelope adj3 signal        | USPAT    | 2003/05/18 18:32 |
| -   | 0   | 379/\$.ccls. and TDM SAME envelope adj3 signal             | USPAT    | 2003/05/18 18:33 |
| -   | 5   | TDM SAME envelope adj3 signal                              | USPAT    | 2003/05/18 18:42 |
| -   | 6   | 370/537-538.ccls. and multiplex\$3 SAME envelope           | USPAT    | 2003/05/18 18:45 |
| -   | 137 | 84/\$.ccls. and multiplex\$3 SAME envelope                 | USPAT    | 2003/05/18 18:46 |
| -   | 89  | 84/\$.ccls. and multiplex\$3 WITH envelope                 | USPAT    | 2003/05/18 18:46 |
| -   | 25  | 84/\$.ccls. and time adj3 division adj3 multiplex\$3 WITH  | USPAT    | 2003/05/18 18:52 |
|     |     | envelope   |          |                  |
| -   | 1   | 704/\$.ccls. and time adj3 division adj3 multiplex\$3 WITH | USPAT    | 2003/05/18 18:56 |
|     |     | envelope   |          |                  |
| -   | 4   | 704/\$.ccls. and time adj3 division adj3 multiplex\$3 WITH | USPAT    | 2003/05/18 19:00 |
| 1   |     | synthesiz\$3   |          |                  |
| -   | 1   | 704/\$.ccls. and TDM WITH synthesiz\$3                     | USPAT    | 2003/05/18 18:59 |
| - ` | 0   | 381/\$.ccls. and TDM WITH synthesiz\$3                     | USPAT    | 2003/05/18 18:59 |
| -   | 6   | 704/\$.ccls. and time adj3 division adj3 multiplex\$3 WITH | USPAT    | 2003/05/18 19:01 |
|     |     | modulat\$3   |          | L                |